



Substitute for form 1449A/B/PTO		Complete if Known	
INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Use as many sheets as necessary)		Application Number	10/697,085-Conf. #9736
		Filing Date	October 31, 2003
		First Named Inventor	Takao Nireki
		Art Unit	2837
		Examiner Name	Not Yet Assigned
		Attorney Docket Number	SHO-0053
Sheet	1	of	1

U.S. PATENT DOCUMENTS					
Examiner Initials*	Cite No. ¹	Document Number Number-Kind Code ² (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
pm	AA	US-4,772,022	09-20-1988	TAIHEI YOSHITOMI	
pm	AB	US-4,594,620	06-10-1986	MAKOTO SHOJI	

FOREIGN PATENT DOCUMENTS						
Examiner Initials*	Cite No. ¹	Foreign Patent Document Country Code ³ -Number ⁴ -Kind Code ⁵ (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T ⁶
pm	BA	RU-2 133 550-C1	07-20-1999	VA;; Altsopnemo Obschcestvo Otkry		
pm	BB	SU-864481	09-15-1981	Seledtspv Valero et al.		
	BC	SU-736335	05-25-1980	Majstrenko Vyacheslav et al.		
	BD	GB-1 471 866	04-27-1977	Arthur Shaw et al.		
	BE	JP-2002-159627-A	08-04-2002	Takasago Electric Ind. Co., Ltd.		
	BF	JP-2003-117076-A	04-22-2003	Nidec Copal Electronics Corp.		
	BG	JP-06-319296-A	11-15-1994	Tamagawa Seiki Co., Ltd.		
pm	BH	JP-09-327553-A	12-22-1997	Samii KK		

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. ¹ Applicant's unique citation designation number (optional). ² See Kinds Codes of USPTO Patent Documents at www.uspto.gov or MPEP 901.04. ³ Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁴ For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵ Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. ⁶ Applicant is to place a check mark here if English language Translation is attached.

NON PATENT LITERATURE DOCUMENTS			
Examiner Initials*	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ²
pm	CA	European Search Report (August 30, 2004)	

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¹ Applicant's unique citation designation number (optional). ² Applicant is to place a check mark here if English language Translation is attached.

Examiner Signature	<i>Patricia Miller</i>	Date Considered	5/19/05
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PTO/SB/08a/b (08-03)

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		Number-Kind Code ² (if known)			
pm	BA	4,772,022	09-20-1988	Yoshitomi	
pm	BB	4,831,477	05-16-1989	Sakamoto et al.	
pm	BC	5,609,524	03-11-1997	Inoue	

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		Country Code ³ -Number ⁴ -Kind Code ⁵ (if known)				
pm	CA	EPO 0 317 146	05-24-1989	SIGMA, Incorporated		
	CB	EPO 0 380 928	08-08-1990	Timex Corporation		
	CC	JP 09-327553	12-22-1997	SAMII KK		
	CD	JP 2002-159627	06-04-2002	TAKASAGO Electric Ind. Co. Ltd.		
	CE	JP 2003-117076	04-22-2003	SANKYO KK Nidec Copal Electronics Corp.		
	CF	GB 546,288	12-30-1940	Blackburn Aircraft Ltd.		
	CG	GB 1 471 866	04-27-1977	Arthur Shaw et al.		
	CH	GB 2 059 520	04-23-1981	Alfred Crompton, Amusement Machines Ltd.		
	pm	CI	GB 2 150 335	06-26-1985	Arturo Martin Gutierrez	

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